CENTRAL PNEUMATIC®

HIGH SPEED AIR BODY SAW

Model 113

ASSEMBLY AND OPERATING INSTRUCTIONS

(Blades not included)

Visit our website at: http://www.harborfreight.com

Read this material before using this product.

Failure to do so can result in serious injury.

SAVE THIS MANUAL.

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For technical questions or replacement parts, please call 1-800-444-3353.

REV 11h

Specifications

Strokes Per Minute	9,000
Length of Stroke	3/8”
Length	9-1/4”
Air Inlet	1/4”-18 NPT
Maximum Air Pressure	90 PSI
Air Consumption	6 CFM
Maximum Steel Cutting Capacity	16 Gauge
Weight	1-3/16 Lbs.

Note: Blades not included. The following blades are sold separately at Harbor Freight Tools: SKU 36887 Coarse Air Saw Blades - 24 TPI (5 pack)
SKU 36888 Fine Air Saw Blades - 32 TPI (5 pack)

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. **Keep work area clean**. Cluttered areas invite injuries.
2. **Observe work area conditions**. Do not use machines or power tools in damp or wet locations. Don’t expose to rain. Keep work area well lit. Do not use electrically powered tools in the presence of flammable gases or liquids.
3. **Keep children away**. Children must never be allowed in the work area. Do not let them handle machines, tools, extension cords, or air hoses.
4. **Store idle equipment**. When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. **Use the right tool for the job**. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
6. **Dress properly**. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
7. **Use eye and ear protection**. Always wear ANSI approved impact safety goggles. Wear a full face shield if you are producing metal filings or wood chips. Wear an ANSI approved dust mask or respirator when working around metal, wood, and chemical dusts and mists.

8. **Do not overreach**. Keep proper footing and balance at all times. Do not reach over or across running machines or air hoses.

9. **Maintain tools with care**. Keep tools clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords and air hoses periodically and, if damaged, have them repaired by an authorized technician. The handles must be kept clean, dry, and free from oil and grease at all times.

10. **Disconnect air supply**. Disconnect air hose when not in use or when changing blades.

11. **Remove adjusting keys and wrenches**. Check that keys and adjusting wrenches are removed from the tool or machine work surface before plugging it in.

12. **Avoid unintentional starting**. Be sure the Throttle Lever (13) is in the Off position and the safety engaged when not in use and before plugging in. Do not carry any tool with your finger on the Throttle Lever (13), whether it is plugged in or not.

13. **Stay alert**. Watch what you are doing, use common sense. Do not operate any tool when you are tired.

14. **Check for damaged parts**. Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the tool if the Throttle Lever does not turn On and Off properly.

15. **Guard against electric shock**. Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerator enclosures.

16. **Replacement parts and accessories**. When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Harbor Freight Tools.

17. **Do not operate tool if under the influence of alcohol or drugs**. Read warning labels if taking prescription medicine to determine if your judgement or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

18. **Use proper size and type extension cord**. If an extension cord is required, it must be of the proper size and type to supply the correct current to the compressor without heating up. Otherwise, the extension cord could melt and catch fire, or cause electrical damage to the tool. Check your air compressor's manual for the appropriate size cord.

19. **Maintenance**. For your safety, maintenance should be performed regularly by a qualified technician.

20. **Compressed air only**. Never use combustible gas as a power source.

21. **Never use this Air Body Saw without the Blade Guard being in place.**

Note**: Performance of the compressor (if powered by line voltage) may vary depending on variations in local line voltage. Extension cord usage may also affect tool performance.**

Warning: The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities, contain chemicals known [to the State of California] to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

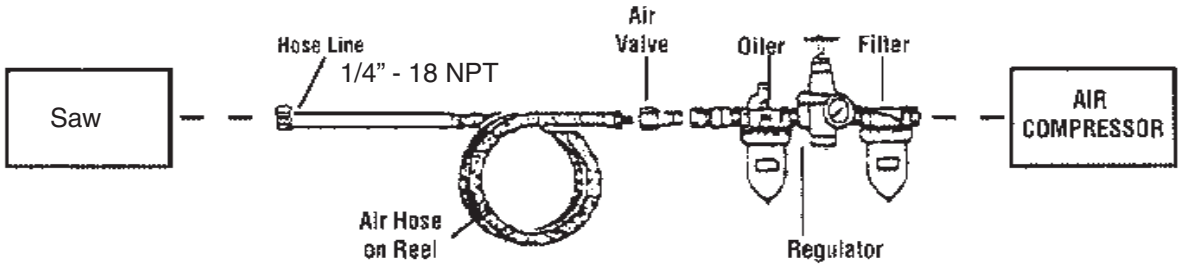
- **Lead from lead-based paints**
- **Crystalline silica from bricks and cement or other masonry products**
- **Arsenic and chromium from chemically treated lumber**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code 25249.5, *et seq.*)

Unpacking

When unpacking, check to make sure the parts listed on page 7 are included. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual as soon as possible.

Operation



Recommended Air Line Components

For best service you should incorporate an oiler, regulator, and inline filter, as shown in the diagram above. Hoses, couplers, oilers, regulators, and filters are all available at Harbor Freight Tools.

1. You will need to prepare a 1/4" - 18 air connector (sold separately) to connect to the air inlet on the Saw. First, wrap the 1/4" air connector (not included) with pipe thread seal tape before threading it into the Air Inlet (9). Connect the 3/8" ID Air Source Hose to the Saw.

Note: If you are not using an automatic oiler system, before operation, add a few drops of Pneumatic Tool Oil to the airline connection. Add a few drops more after each hour of continual use.

2. Set the air pressure on your compressor to 90 PSI. Do not exceed the maximum air pressure of 90 PSI.
3. Check the air connection for leaks. **Disconnect the tool from the air source**.

Operation (continued)

FIGURE 1

Adding or Changing Blades

Warning! Always disconnect the Saw from the air source before adding or changing blades. After disconnecting the Saw from the air compressor, there could still be enough air pressure to activate the Saw. Always position the Saw safely and activate the Throttle Lever (13) repeatedly to make sure all of the air is expended.

Refer to **FIGURES 2** and **3** below, and the Assembly Drawing on page 8.

1. The Blade Guard (34) may be removed when replacing blades, **but it must always be on during operation. Using the Saw without the Blade Guard (34) can result in severe injury**. To remove the Blade Guard (34), loosen and remove the two Set Screws (24). When replacing the Blade Guard (34), place it in the slots and tighten the Set Screws (24).
2. To change blades, first remove the Chuck Cover (26) by removing the Screw (38). Swing the Chuck Cover (26) back on its hinge.
3. Loosen the two Set Screws (30) inside, until the blade can be removed. Replace with a new blade and tighten the Set Screws (30). Replace the Chuck Cover (26) and carefully tighten the Screw (38). Do not overtighten the Screw (38) or you may break the plastic Chuck Cover (26).

Note: Never use a dull, bent, or cracked blade.

Check that the blade and blade guard are tight before each use.

FIGURE 2

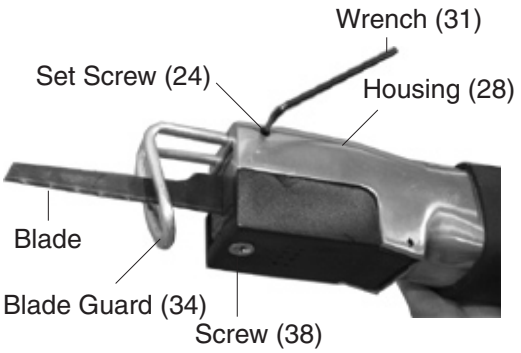
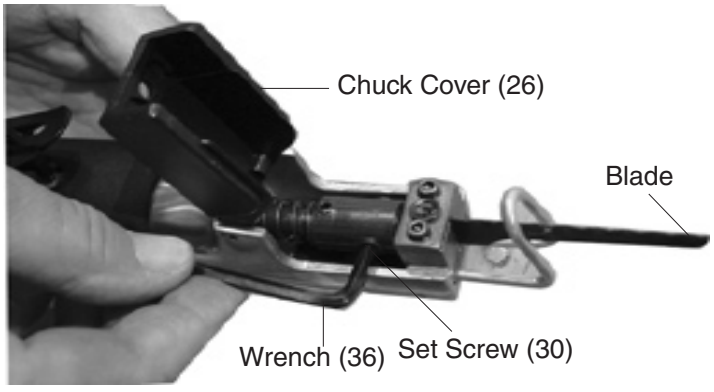


FIGURE 3



Operation (continued)

Using the Saw

Note: Always press lightly when cutting. Do not force the Saw. Sudden forceful pressing will shorten the stroke, diminish cutting efficiency, or possibly break the blade.

Note: Always operate the Saw with two hands. Hold the top of the Housing (28) with one hand, and hold the lower Housing (28) and Throttle Lever (13) with the other. Failure to use two hands may cause the Saw to vibrate out of your control causing serious injury.

Warning! This Saw may be used for cutting through copper, steel, aluminum, and plastics. Do not exceed the maximum 16 gauge thickness when cutting with this Saw. Doing so can cause serious injury and damage to the tool.

Warning! Check the saw blade prior to each use. Do not use a cracked, bent, or broken blade.

1. Secure the workpiece in a vise, or clamp it securely to a workbench.
2. Following the directions on page 4, attach the Saw to the air source hose.
3. Push the Throttle Safety forward (see **FIGURE 1** on page 5) and pull the Throttle Lever (13).
4. Contact the workpiece allowing the Saw to do the cutting for you. Do not exert pressure on the workpiece.
5. When finished, release the Throttle Lever (13) and disconnect the Saw from the air source.

After disconnecting the Saw from the air compressor, there could still be enough air pressure to activate the Saw. Always position the Saw safely and activate the Throttle Lever (13) repeatedly to make sure all of the air is expended.

Maintenance

1. After each use, wipe down the Saw with a lint free cloth.
2. Make sure that both the housing that holds the blades and the Air Inlet (9) are free of dirt and debris.
3. Periodically apply a light machine oil to the pivot point of the Throttle Lever (13). See **FIGURE 1** on page 5.
4. Before each use, check the blade to make sure it is securely in place. If necessary, tighten the Set Screws (30).
5. Before each use, make sure the Blade Guard (34) is securely in place. Tighten if necessary.

Parts List

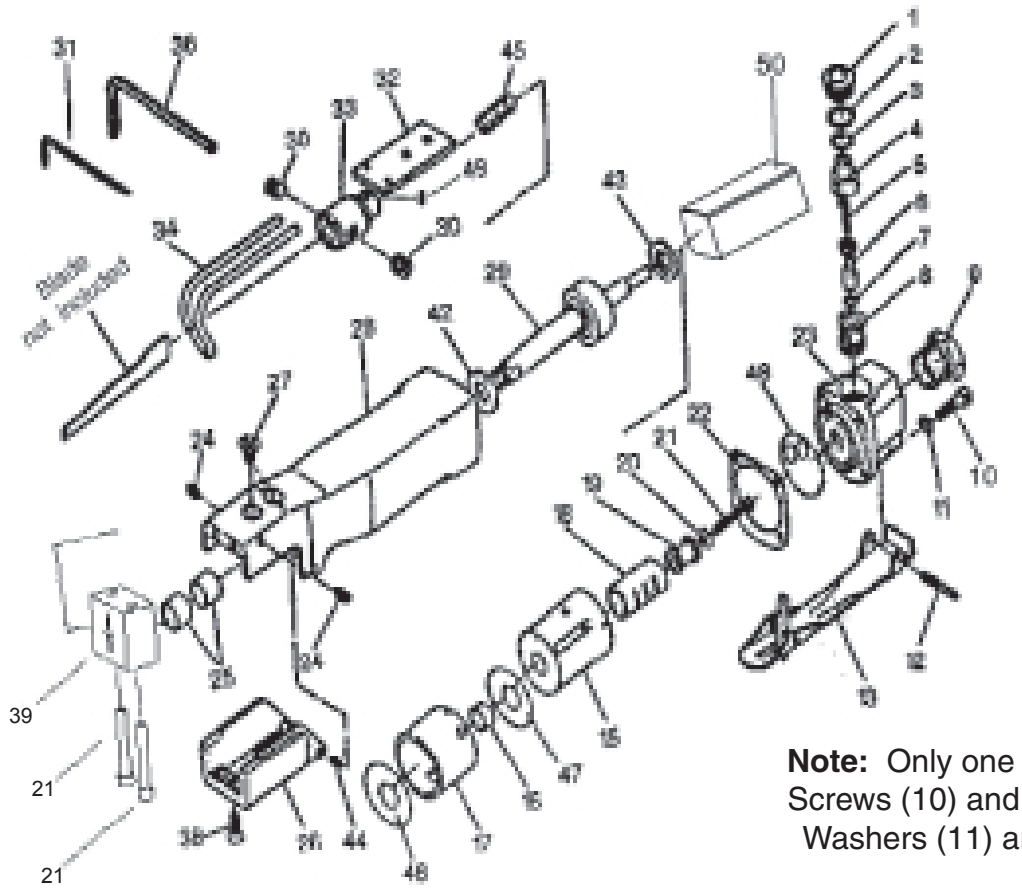
Part No.	Description	Qty	Part No.	Description	Qty
1	Valve Screw	1	26	Chuck Cover	1
2	O-Ring	1	27	Screw	2
3	O-Ring	1	28	Housing	1
4	Air Controller	1	29	Piston Assy	1
5	Valve Spring	1	30	Set Screw	2
6	Valve Stem	1	31	Wrench (2mm)	1
7	O-Ring	1	32	Guide Plate	1
8	Valve Bushing	1	33	Blade Chuck	1
9	Air Inlet	1	34	Blade Guard (long and short)	2
10	Cap Screw	4	36	Wrench (4mm)	1
11	Washer	4	38	Screw	1
12	Lever Pin	1	39	Blade Guide	2
13	Throttle Lever	1	42	Front Bumper	1
15	Valve Case	1	43	Rear Bumper	1
16	Bushing	1	44	Pin	2
17	Cylinder	1	45	Spring	1
18	Valve Sleeve	1	46	Packing	1
19	Actuator Valve	1	47	Packing	1
20	Washer	1	48	Packing	1
21	Cap Screw	3	49	Set Screw	1
22	Gasket	1	50	Rubber Grip	1
23	Valve Block	1			
24	Set Screw	2			
25	Bushing	2			

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER NOR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

NOTE: Some parts are listed and shown for illustration purposes only and are not available individually as replacement parts.

Assembly Drawing



Note: Only one of the Cap Screws (10) and one of the Washers (11) are shown.

90 DAY WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. This warranty is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and fitness.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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